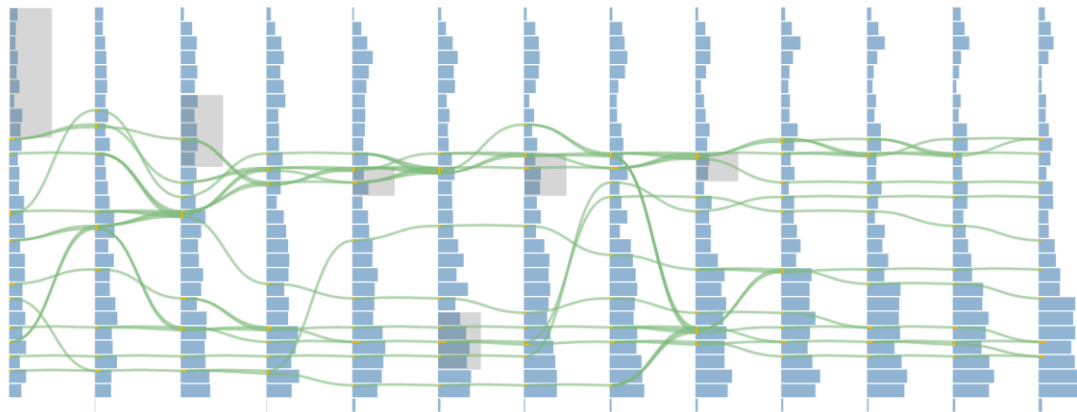


Weekly Report 2016.12.19-2016.12.25

Progress:

1. Temporal Ensemble Rankings

Current progress of the visual design:



Green lines are brushed ensembles.

Next week I will talk with Prof. Wu and Huihua Guan to improve this view.

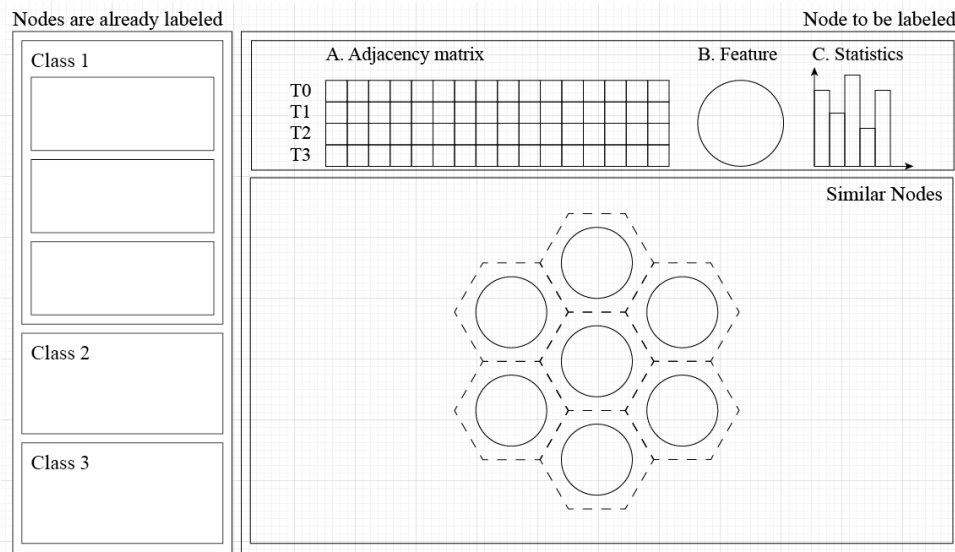
The major problem of this view is that the points which represent ensembles are too small. Maybe scaling the histograms is a solution.

2. TCP Tree

3. Anomaly Detection in Dynamic Graphs

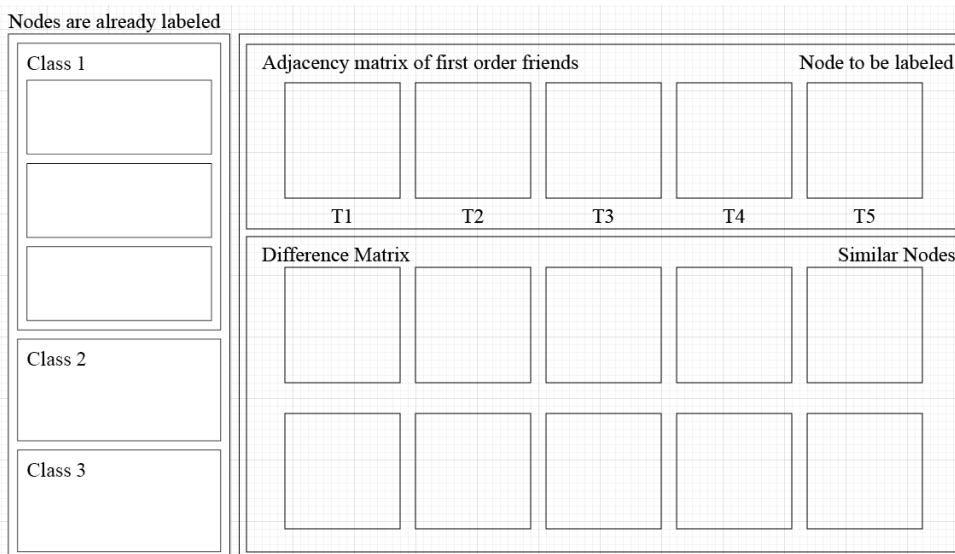
This week I were considering about the visual design. I have come up three plans.

Plan A:



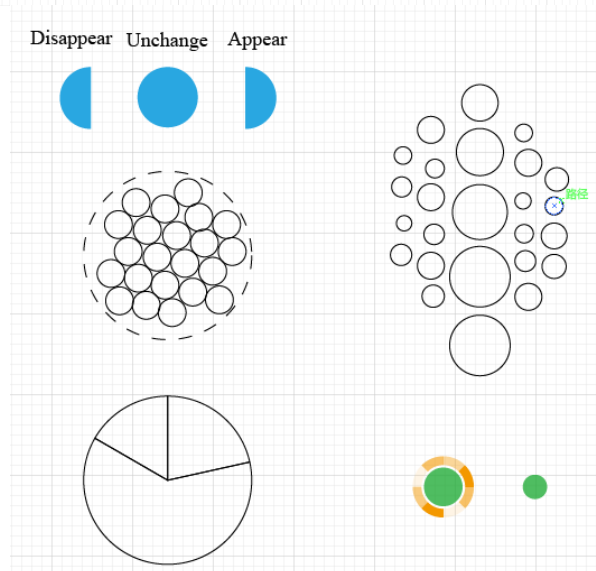
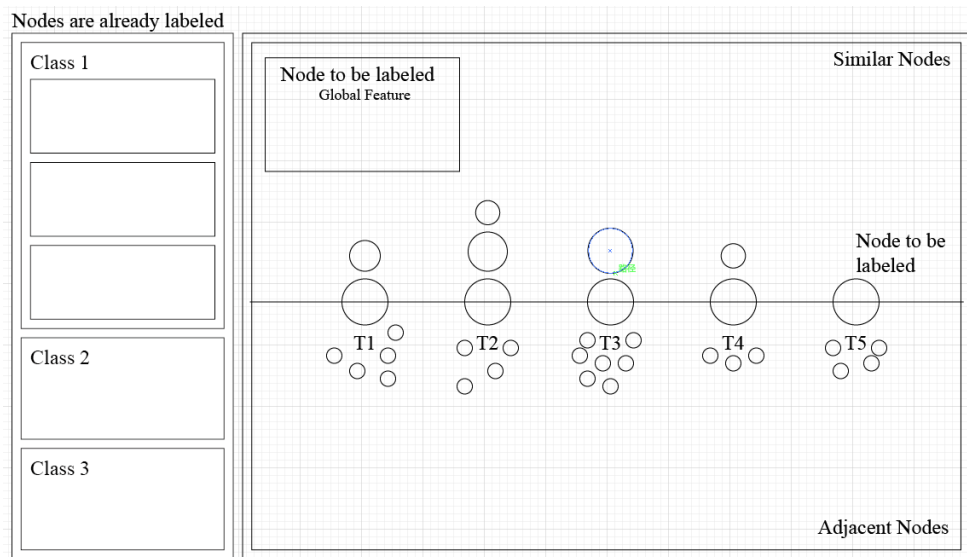
This design major shows the features of the similar nodes of the labeling node. The first order friend of the node is shown by a matrix. Users can pick time steps in this matrix to see the temporal changes in the main view.

Plan B:



This design major shows the graph structure around the labeling node and its similar nodes. To emphasize the difference, these adjacency matrices are reordered by the same reorder algorithm and only the difference are visualized.

Plan C:



I think this design is interesting.

Both adjacent nodes and similar nodes are displayed in this design.

Plan:

1. Huawei Project

Write the patent and go to Huawei for final check.

2. Temporal Ensemble Ranking Data

Talk with Prof. Wu, and revise the paper as soon as possible.